



	DECLARA	TION FOR PATENT APP	LICATION
As a below-named	inventor, I hereby dec	lere that	
My residence, pos	t office address and cit	izenship are as stated below t	next to my name.
inventor (if plural on the invention en	lianad balam) of the subject matter which NDMETHOD FOR CHEM	listed below) or an original, first and joint is claimed and for which a patent is sought ICAL MECHANICAL POLISHING OF
(check one)	Application Serti and was amended (if applicable)	cember 21, 2001, as al No. 10/029,158 on	
I hereby state that claims, as amende	I have reviewed and un id by any amendment f	nderstand the contents of the a eferred to above.	above-identified specification, including the
I acknowledge the as defined in 37 C	duty to disclose to the	Parent Office all information	known to me to be material to patentability
disease or Inventor	's comificate listed believe	ow and have also identified	Code, §119 of any foreign application(s) for below any foreign application for patent or on which priority is claimed:
Prior Fore	ign Application(s)		Priority Claimed
US01/415		07/31/2001 (Day/Month/Year Filed)	X
(Number) Thereby claim the listed below:			fairy United States provisional application(s
. <u>60/259.</u> (Applica	016 Ition Serial No.)	12/29/2000 (Filing Date)	Pending (Status) (patented, pending, abandoned)
and, insofar as the application in the	e subject matter of each manner provided by the o the Patent Office all h occurred between the	of the claims of this applicant e first paragraph of Title 35, I information known to me to	any United States application(s) listed below ion is not disclosed in the prior United State United States Code, §112, I acknowledge the be material to patentability as defined in 3 cation and the national or PCT internations
09/628	3,563	July 31, 2000	Pending
(Applica	tion Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned



I hereby appoint the following anomays to prosecute this application and to transact all business in the Patent and I hereby appoint the following anomays to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Harold C. Hohbach, Reg. No. 17,757; Aldo J. Test, Reg. No. 18,048; Trademark Office connected therewith: Harold C. Hohbach, Reg. No. 24,993; David J. Brazner, Reg. No. 24,774; Donald N. Maolntosh, Reg. No. 20,316; Edward S. Wright, Reg. No. 31,801; Michael A. Kaufman, Reg. No. Robert B. Chickering, Reg. No. 24,286; Richard F. Trecartin, Reg. No. 31,801; Michael A. Kaufman, Reg. No. 32,988; Edward N. Bachand, Reg. No. 37,085; R. Michael Ananian, Reg. No. 35,050; Robin M. Silva, Reg. No. 38,304; Maria S. Swiatek, Reg. No. 37,244, William E. Nuttle; Reg. No. 42,943; and Victor E. Johnson, Reg. No. 41,546, provided that if any one of said anomeys ceases being affiliated with the law firm of Flehr Hohbach Test Albritton & Herbert LLP as partner, employee or of counsel, such anomey's appointment as anomey and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

Direct all telephone calls to Maria S. Swiatek at (650) 494-8700.

Address all correspondence to:

FLEHR HOHBACH TEST
ALBRITTON & HERBERT LLP
Suite 3400, Four Embarcadero Center
San Francisco, California 94111-4187

File No. A-69175-1/MSS

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first or sole inventor, if any	Nam P. Suh
Inventor's signature:	land by
Date:	Tured 28, 2002
Residence:	Sudbury, Massachusetts
Citizenship:	US
Post Office Address:	34 Maynard Farm Road
	Sudbury, Massachusetts 01776

USA

· · · · · · · · · · · · · · · · · · ·	•
Full name of second or joint inventor.	Jason Melvin
Inventor's signature:	
Date:	
Residence:	Cambridge, Massachusetts
Citizenshlp:	US
Post Office Address:	27 West Street #8
•	Cambridge, Massachusens 02139
•	
Full name of third or joint	•
	titlerie I. Oh

inventor, if any

Inventor's signature:

Date:

Rochester Hills, Michigan Residence:

Citizenship:

1132 West Avon Road Post Office Address:

Rochester Hills, Michigan 48309





As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,



I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled APPARATUS AND METHOD FOR CHEMICAL MECHANICAL POLISHING OF SUBSTRATES, the specification of which:

30B31RA1ES	, the specification of	· · · · · · · · · · · · · · · · · · ·	
(check one)	Application	December 21, 2001 as Serial No. 10/029,158 Inded on	
I hereby state the	at I have reviewed at ded by any amendm	nd understand the contents of the abent referred to above.	bove-identified specification, including the
I acknowledge t as defined in 37		o the Patent Office all information l	known to me to be material to patentability
patent or invent	or's conflicate listed	fits under Title 35, United States Co I below and have also identified be date before that of the application of	ode. \$119 of any foreign application(s) for elow any foreign application for patent or on which priority is claimed:
Prior Fo	reign Application(s)		Priority Claimed
			\square
<u>US01/41</u> (Number		07/31/2001 (Day/Month/Year Filed)	Yes No
I hereby claim th listed below:	ne benefit under Title	35. United States Code, \$119(e) of a	any United States provisional application(s)
60/25	9.016	12/29/2000	Pending
60/259,016 (Application Serial No.)		(Filing Date)	(Status) (patented, pending, abandoned)
and, insofar as t application in th duty to disclose C.F.R. 1.56 whi filing date of thi 	he subject matter of the manner provided by to the Patent Office ich occurred between is application: 28,563	each of the claims of this application by the first paragraph of Title 35, Ur all information known to me to be the filing date of the prior applica-	ny United States application(s) listed below in is not disclosed in the prior United States nited States Code, §112, I acknowledge the material to patentability as defined in 37 ation and the national or PCT international Pending (States)
(Appli	cation Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

1 hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Harold C. Hohbach, Reg. No. 17,757; Aldo J. Test, Reg. No. 18.048; Donald N. MacIntosh, Reg. No. 20,316; Edward S. Wright, Reg. No. 24,903; David J. Brezner. Reg. No. 24,774; Robert B. Chickering, Reg. No. 24,286; Richard F. Trecartin, Reg. No. 31,601; Michael A. Kaufman, Reg. No. 32,988; Edward N. Bachand, Reg. No. 37,085; R. Michael Ananian, Reg. No. 35,050; Robin M. Silva, Reg. No. 38,304; Maria S. Swiatek, Reg. No. 37,244, William E. Nuttle; Reg. No. 42,943; and Victor E. Johnson, Reg. No. 41,546, provided that if any one of said attorneys ceases being affiliated with the law firm of Flehr Hohbach Test Albritton & Herbert LLP as partner, employee or of counsel, such attorney's appointment as attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

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Full name of first or sole inventor, if any	Nam P. Suh	
Inventor's signature:		
Date:		
Residence:	Sudbury, Massachusetts	
Citizenship:	US	
Post Office Address:	34 Maynard Farm Road	
	Sudbury, Massachusetts 01776	



Full name of second or joint inventor:	Jason Melvin
Inventor's signature:	Jason Mehri 3/29/02
Date:	3/29/02
Residence:	Cambridge, Massachusetts
Citizenship:	US
Post Office Address:	27 West Street, #8
	Cambridge, Massachusens 02139
	,
Full name of third or joint	
inventor, if any	Hilario L. Oh
Inventor's signature:	
Date:	
Residence:	Rochester Hills, Michigan
Citizenship:	US
Post Office Address:	1132 West Avon Road
	Rochester Hills, Michigan 48309







DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

we I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint

inventor (if plus	al names entitled	s are listed below APPARATUS A	v) of the subject matter which is cland METHOD FOR CHEMICA ich:	aimed and for which	h a patent is sought POLISHING OF
		is attached heret			
(check one)	а	was filed on <u>De</u> Application Ser and was amended if applicable)	ecember 21, 2001 as ial No. <u>10/029,158</u> d on		
I hereby state the	at I have ded by a	e reviewed and u any amendment i	nderstand the contents of the above referred to above.	:-identified specific	ation, including the
I acknowledge t as defined in 37			e Patent Office all information know	wn to me to be mate	erial to patentability
patent or invent	or's cert	ificate listed be	under Title 35, United States Code, low and have also identified below before that of the application on v	v any foreign appli	cation for patent or
Prior For	reign Ap	oplication(s)		Priority Claim	<u>ied</u>
11001/41	512	PCT	07/31/2001	X]
<u>US01/41</u> (Number		(Country)	(Day/Month/Year Filed)	Yes No	
I hereby claim th listed below:	e benefi	t under Title 35,	United States Code, § 119(e) of any	United States provis	sional application(s)
60/259	016		12/29/2000	Pending	
		erial No.)	(Filing Date)		atus)
\ 11		•	,	(patented, pe	ending, abandoned)
I hereby claim th	ie benef	it under Title 35,	, United States Code, §120 of any U	nited States applica	ition(s) listed below
and, insofar as the	he subje	ct matter of each	of the claims of this application is	not disclosed in the	prior United States
			e first paragraph of Title 35, United		
duty to disclose	to the F	Patent Office all	information known to me to be ma	iterial to patentabil	ity as defined in 37
			filing date of the prior application	and the national o	r PCT international
filing date of thi		ation:			
09/62	8,563	* 1	July 31, 2000	Pendi	
(Application Serial No.)			(Filing Date)	(Sutet2)	1

09/628,563	July 31, 2000	Pending
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)



I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Harold C. Hohbach, Reg. No. 17,757; Aldo J. Test, Reg. No. 18,048; Donald N. MacIntosh, Reg. No. 20,316; Edward S. Wright, Reg. No. 24,903; David J. Brezner, Reg. No. 24,774; Robert B. Chickering, Reg. No. 24,286; Richard F. Trecartin, Reg. No. 31,801; Michael A. Kaufman, Reg. No. 32,988; Edward N. Bachand, Reg. No. 37,085; R. Michael Ananian, Reg. No. 35,050; Robin M. Silva, Reg. No. 38,304; Maria S. Swiatek, Reg. No. 37,244, William E. Nuttle; Reg. No. 42,943; and Victor E. Johnson, Reg. No. 41,546, provided that if any one of said attorneys ceases being affiliated with the law firm of Flehr Hohbach Test Albritton & Herbert LLP as partner, employee or of counsel, such attorney's appointment as attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

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File No. A-69175-1/MSS

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Full name of first or sole inventor, if any	Nam P. Suh
Inventor's signature:	
Date:	
Residence:	Sudbury, Massachusetts
Citizenship:	US
Post Office Address:	34 Maynard Farm Road
	Sudbury, Massachusetts 01776

Full name of second or joint inventor:	Jason Melvin
Inventor's signature:	
Date:	
Residence:	Cambridge, Massachusetts
Citizenship:	US
Post Office Address:	27 West Street, #8
	Cambridge, Massachusetts 02139
Full name of third or joint	
inventor, if any	Hilario L. Oh
Inventor's signature:	Milari d. dh
Date:	3/20/02
Residence:	Rochester Hills, Michigan
Citizenship:	US
Post Office Address:	1132 West Avon Road
	Rochester Hills, Michigan 48309

POWER OF ATTORNEY BY ASSIGNEE AND EXCLUSION OF INVENTOR/S UNDER 37 C.F.R. §1.32 AND STATEMENT UNDER 37 C.F.R. § 3.73(b)



To the Commissioner of Patents and Trademarks:

The undersigned assignee of the entire interest in application for letters patent submitted in connection with Serial No. 10/029,158, filed on December 21, 2001 entitled APPARATUS AND METHOD FOR CHEMICAL MECHANICAL POLISHING OF SUBSTRATES, filed herewith and having the named inventor(s):

Hilario L. Oh

hereby appoints the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith; said appointment to be to the exclusion of the inventor(s) and his (their) attorney(s) in accordance with the provisions of 37 C.F.R. 1.32: Harold C. Hohbach, Reg. No. 17,757; Aldo J. Test, Reg. No. 18,048; Donald N. MacIntosh, Reg. No. 20,316; Edward S. Wright, Reg. No. 24,903; David J. Brezner, Reg. No. 24,774; Robert B. Chickering, Reg. No. 24,286; Richard F. Trecartin, Reg. No. 31,801; Michael A. Kaufman, Reg. No. 32,988; Edward N. Bachand, Reg. No. 37,085; R. Michael Ananian, Reg. No. 35,050; Robin M. Silva, Reg. No. 38,304; Maria S. Swiatek, Reg. No. 37,244, William E. Nuttle; Reg. No. 42,943; and Victor E. Johnson, Reg. No. 41,546, provided that if any one of said attorneys ceases being affiliated with the law firm of Flehr Hohbach Test Albritton & Herbert LLP as partner, employee or of counsel, such attorney's appointment as attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

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FLEHR HOHBACH TEST ALBRITTON & HERBERT LLP Suite 3400, Four Embarcadero Center San Francisco, California 94111-4187

ASML US, Inc., a Corporation of the State of Delaware, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor of the patent application identified above. A copy of the executed, unrecorded assignment is attached hereto. The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

ASML US, INC.

Date: April 1 ,2002

to:

Type Name: __Jeffrey Kowalski

440 Kings Village Road Scotts Valley, CA 95066

A-69175-1/MSS 1037862





POWER OF ATTORNEY BY ASSIGNEE AND EXCLUSION OF INVENTOR/S UNDER 37 C.F.R. §1.32 AND STATEMENT UNDER 37 C.F.R. § 3.73(b)

APR 1 5 2002

To the Commissioner of Patents and Trademarks:

The undersigned assignee of the entire interest in application for letters patent submitted in connection with Serial No. 10/029,158, filed on December 21, 2001 entitled APPARATUS AND METHOD FOR CHEMICAL MECHANICAL POLISHING OF SUBSTRATES, filed herewith and having the named inventor(s):

Nam P. Suh, Jason Melvin

hereby appoints the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith; said appointment to be to the exclusion of the inventor(s) and his (their) attorney(s) in accordance with the provisions of 37 C.F.R. 1.32: Harold C. Hohbach, Reg. No. 17,757; Aldo J. Test, Reg. No. 18,048; Donald N. MacIntosh, Reg. No. 20,316; Edward S. Wright, Reg. No. 24,903; David J. Brezner, Reg. No. 24,774; Robert B. Chickering, Reg. No. 24,286; Richard F. Trecartin, Reg. No. 31,801; Michael A. Kaufman, Reg. No. 32,988; Edward N. Bachand, Reg. No. 37,085; R. Michael Ananian, Reg. No. 35,050; Robin M. Silva, Reg. No. 38,304; Maria S. Swiatek, Reg. No. 37,244, William E. Nuttle; Reg. No. 42,943; and Victor E. Johnson, Reg. No. 41,546, provided that if any one of said attorneys ceases being affiliated with the law firm of Flehr Hohbach Test Albritton & Herbert LLP as partner, employee or of counsel, such attorney's appointment as attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

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Massachusetts Institute of Technology, a body having corporate powers under the laws in the State of Massachusetts, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor of the patent application identified above. A copy of the executed, unrecorded assignment is attached hereto. The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Date: April 1 .2002

Type Name: Rita M. Filipowicz

MIT Technology Licensing Office

Room NE25-230

Five Cambridge, MA 02142

to: